

information

Rapid Response System

The Rapid Response System (RRS) provides the capability of receiving, containing, characterizing, monitoring, and treating (or repackaging) Chemical Agent Identification Sets (CAIS) recovered at burial sites in a safe and effective manner.

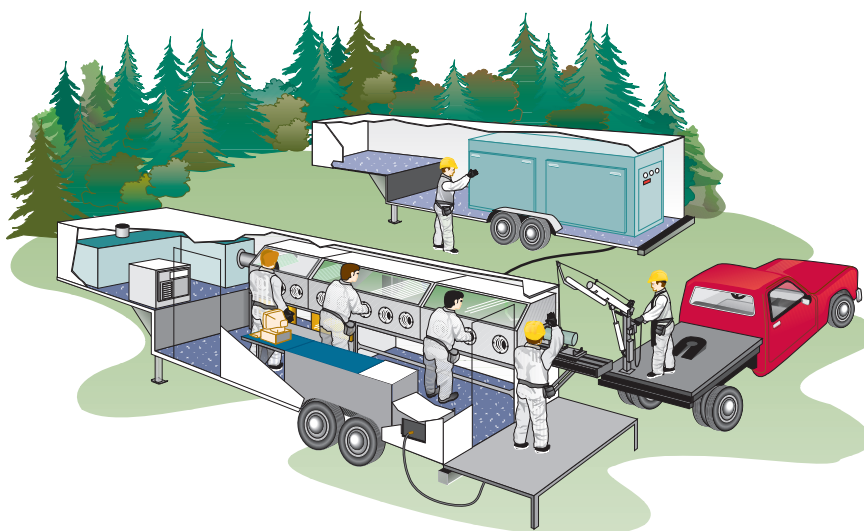
Various types of CAIS were manufactured from 1928 until 1969 and used to train soldiers to identify various types of chemical agents. The CAIS were widely distributed to military and civilian groups, such as air raid wardens during World War II, and are periodically recovered at a variety of locations throughout the United States.

Sulfur mustard (HD), nitrogen mustard (HN), and lewisite (L) will be decontaminated during RRS processing. Other former chemical agents now classified as industrial chemicals will be repackaged for disposal by current industrial standards. These industrial chemicals include phosgene, cyanogen chloride, chloroacetophenone, adamsite, chloropicrin, triphosgene, and an ester mixture.

Chloroform was used as a solvent for chemical agent and some industrial chemicals.

The prototype system incorporates the use of two trailers. Chemical operations, to include repackaging and neutralization, will take place inside a glovebox housed in the Operations Trailer. Air circulating through the glovebox is vented through charcoal filters to entrap agent or other industrial chemicals prior to the discharge of air from the trailer. Air monitoring instruments are also housed inside the trailer. A Utility Trailer houses generators and a refrigerator for monitoring standards.

Once agent is treated with appropriate decontaminants, the remaining neutralants can be transported to a commercial waste treatment facility for ultimate disposal. Industrial chemicals, as described above, will be repackaged for similar transportation to a commercial waste treatment facility.



*For more information,
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